Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/29/2021 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125290	0	1.20	125259	1.19
Blue	F	SSC	125000	124267	-1	2.26	124733	2.19
Blue	E	FITC	13131	12741	-3	2.27	294	15.19
Blue	D	PE	24112	23852	-2	1.62	547	10.90
Blue	B	PerCP-Cy5-5	31295	30724	-2	3.11	1014	15.33
Blue	A	PE-Cy7	19939	19769	-1	5.31	527	30.30
Red	C	APC	42122	40742	-4	3.13	1704	11.63
Red	A	APC-Cy7	22340	21750	-3	3.41	815	11.82
Violet	B	V450	7410	7093	-5	3.70	430	12.78
Violet	A	V500	28118	26823	-5	3.36	667	10.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23326	1.16	571	2	N/A	N/A	Pass
Blue	F	SSC	58070	1.13	523	11	N/A	N/A	Pass
Blue	E	FITC	54	54.62	489	2	0.0463	166	Pass
Blue	D	PE	114	37.06	492	4	0.3820	278	Pass
Blue	B	PerCP-Cy5-5	188	37.35	589	3	0.0175	44	Pass
Blue	A	PE-Cy7	106	70.12	632	4	0.0203	0	Pass
Red	C	APC	397	24.25	579	3	0.0268	170	Pass
Red	A	APC-Cy7	182	27.86	555	4	0.0061	1065	Pass
Violet	B	V450	60	65.03	459	6	0.0595	2361	Pass
Violet	A	V500	97	35.45	470	5	0.0251	966	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.46	1.06
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	15.30	13.60 - 20.40	N/A	N/A	29.80	30.12	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 15439

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments